

**COURSE NUMBER**

FHWA-NHI-380076

**COURSE TITLE****Low-Cost Safety Improvements Workshop**

This course provides a comprehensive presentation of low-cost, ready-to-use improvements that enhance the safety of highways. The course covers a synthesis of countermeasures and their associated crash reduction factors as identified in the "AASHTO Strategic Highway Safety Plan -- NCHRP 500 Guidebooks." Countermeasures for specific areas of highway safety, including roadside hazards; signing, markings, and lighting; traffic control devices; intersections; traffic signals; and railroad grade crossings are discussed. The course also introduces recent low-cost safety improvements that have been developed by States and local engineers. Through exercises, participants learn how to analyze highway safety situations and apply appropriate countermeasures to those situations.

**OUTCOMES**

Upon completion of the course, participants will be able to:

- Identify appropriate engineering countermeasures from crash patterns
- Recognize deficiencies in operation/design and select appropriate countermeasures for roadside hazards
- Recognize deficiencies in safety performance of signing, markings, and lighting, and elect appropriate countermeasures
- Recognize deficiencies in operation/design of intersections and select appropriate countermeasures
- Recognize deficiencies in operation/design of traffic signals and select appropriate countermeasures
- Recognize deficiencies in operation/design of railroad grade crossings and select appropriate countermeasures
- Illustrate new and innovative low-cost safety improvement measures developed by State DOTs

**TARGET AUDIENCE**

Federal, State, and local transportation, traffic and safety engineers, and planners involved in reducing crashes.

**TRAINING LEVEL:** Accomplished

**FEE:** 2017: \$300 Per Person; 2018: N/A

**LENGTH:** 1 DAYS (CEU: 0 UNITS)

**CLASS SIZE:** MINIMUM: 20; MAXIMUM: 30

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